



# XID

## Log In, Retrieve Authorizations

Reference: 10-06-2004

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# **Document Control**

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Initial document

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# **1      Introduction**

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## **1.1.1      This Document**

A need exists to log in to the Utah Criminal Justice Information System (UCJIS) and retrieve a list of authorizations to UCJIS transactions via XML/web services. This document describes the web services, XML specifications and transactions for accessing UCJIS for these purposes.

## **1.1.2      Objectives**

The main objectives of this document are:

- To provide a concise list of the XML elements to be used to log in to UCJIS and retrieve a list of authorizations/permissions.
- To describe the software based specifications required for the Architecture.
- To define the transactions to be submitted.

## **1.1.3      Audience of this Document**

The application's representatives, the Local Law Enforcement users and development teams, and vendors of systems accessing UCJIS for law enforcement agencies comprise the main audience of this document.

## **1.1.4      Related Documents**

<b>Doc. Type</b>	<b>Title</b>	<b>Reference</b>	<b>Signature Date</b>	<b>Status</b>
Word document	UCJIS XMLConduit Web Service	Mike Sadler	12/22/2003	V.1
Web page	<a href="http://it.ojp.gov/jxdd/">http://it.ojp.gov/jxdd/</a>	Global Justice XML Specifications		V.3.0
Excel spreadsheet	Jxdds-3.0.xls	Global Justice XML elements		V.3.0
Word document	DPS Encryption Strategy within XML Documents	Mike Sadler	10/05/2004	V.1.1

## 2 Architecture

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The architecture herein described supports logging in to the Utah Criminal Justice Information System (UCJIS).

Data is to be shared using standard web services/SOAP message formatting over HTTPs (SSL). The body of SOAP messages contains XML documents pertaining to messages.

Web services are designed to overcome the problems associated with proprietary network protocols. A core set of specifications that together make up Web Services are XML, SOAP, and WSDL. The Extensible Markup Language (XML) is a W3C standard for defining data using a simplified syntax similar to the Standard Generalized Markup Language (SGML). XML is fast becoming the de facto standard for defining data and documents used in Internet-based transactions, and it is used to define SOAP.

Simple Object Access Protocol (SOAP) is a specification that incorporates the most important features of the Distributed Component Object Model (DCOM) and Remote Method Invocation (RMI) into a light-weight XML message that can be used to transmit data over HTTP. SOAP, however, is not limited to just HTTP; it can be used in combination with a variety of protocols, depending upon the business requirements.

Web Services Description Language (WSDL) is an XML format for describing Web Services, as a set of endpoints – or ports – which operate on messages sent over the network. This document assumes that the ongoing reader already has a sufficient background in the web service technologies and implementation options available in his or her development tool(s) of choice.

The specifications are comprised of standards-based protocols and messaging technologies that constitute a best-business-practices solution. At the core of the framework is Extensible Markup Language (XML). Within the framework, XML becomes the messaging format.

The integration framework packages compliant XML within messages that are distributed to the destination node (endpoint) for processing. The messaging infrastructure is comprised of the Simple Object Access Protocol (SOAP) over the Hyper-Text Transfer Protocol (HTTP). To encrypt the data as it traverses the state wide area network (WAN) or internet, secure socket layer (SSL) will be used. Certain elements (logon, password) within the XML document may also be further encrypted.

To query the DPS system, a properly formatted XML document encapsulated in SOAP will be sent to the DPS web services server. The DPS web services server will determine what type of transaction is being performed by evaluating the attribute values of type and class in the DocumentDescriptor element. Logical branching will take place depending on the values and the appropriate method invoked.

### **3 Node Framework Implementation**

---

To implement an XML Log In (XID) transaction, the following requirements should be met:

- The information to be shared must be formatted according to the XML specifications listed in this document.
- To send requests, a requesting system should have the ability to invoke the web service method over HTTPs on a remote system to pass properly formatted XML as a string, encapsulated in a SOAP envelope, and receive string responses.

## **4 Transaction Descriptions**

---

Below is transaction descriptions/flow:

To log in to UCJIS and retrieve a list of authorizations/permissions, a properly formatted XML document in the form of an XID transaction will be sent to the DPS web services server. If successful, a list of permissions will be returned as detailed below.

## 5 Response Codes

---

The ResponseStatus codes used in UCJIS XML documents are roughly based on HTTP 1.1 Status Codes. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.

```
Success 2xx
200 OK
201 Created
202 Accepted
203 Non-Authoritative Information
204 No Content
205 Reset Content
206 Partial Content

Redirection 3xx
300 Multiple Choices
301 Moved Permanently
302 Found
303 See Other
304 Not Modified
305 Use Proxy
306 (Unused)
307 Temporary Redirect

Client Error 4xx
400 Bad Request
401 Unauthorized
402 Payment Required
403 Forbidden
404 Not Found
405 Method Not Allowed
406 Not Acceptable
407 Proxy Authentication Required
408 Request Timeout
409 Conflict
410 Gone
411 Length Required
412 Precondition Failed
413 Request Entity Too Large
414 Request-URI Too Long
415 Unsupported Media Type
416 Requested Range Not Satisfiable
417 Expectation Failed

Server Error 5xx
500 Internal Server Error
```

## **Appendix A: Transaction XML Specifications**

---

Below are XML elements to be used to log in to UCJIS.

(Notes: Not all elements may be available to return. Whitespace (CR/LF, tabs, etc.) are included in this document for readability but should not be transmitted.) Empty elements should not be transmitted unless the fact they are empty is relevant.

Element	Min-Max	Comments
udps:UDPSXML	1 - 1	Root element
-udps:DocumentDescriptor	1 - 1	Describes the transaction type and class of transaction. This element is used in all DPS transactions. Logical branching can take place when initially parsing the XML to invoke different processing methods based on the type and class. Attributes for this element include: "type" - mandatory, the type of transaction that is being executed. "class" - mandatory - within the type of transaction, what kind of action is to be performed. "authenticator" - mandatory, used by the DPS server to decide what authenticating functions should be performed. Default value for this attribute if it does not exist is "UCJIS". "routingCode" - mandatory, used to select which system should service the database functions for this transaction. Options are: "L" - local, "1" - NCIC, "2" - III, "6" - NICS, "M" - NLETS.
@type	1 - 1	The type of transaction that is being executed. Values for this transaction: XID, XIDResponse

@class	1 - 1	Within the type of transaction, what kind of action is to be performed. Value: "UCJIS". Other values are used for other systems but are not contained in this document.
@authenticator	1 - 1	Used by the DPS server to decide what authenticating functions should be performed. Value: "UCJIS"
@routingCode	1 - 1	Used to select which system should service the database functions for this transaction. Value: "L"
-udps:Header	1 - 1	Parent element for administrative elements.
--udps:Version	1 - 1	What version of specifications are being used in this XML document. Currently at 3.0.
--udps:System	1 - 1	Host computer system name that is conducting the transaction. Value is assigned by DPS in conjunction with the agency. Currently using the IP address of the host system.
---j:ID	1 - 1	Identifier.
--udps:TransactionID	1 - 1	A unique identifier for this transaction
---j:ID	1 - 1	Identifier.
--udps:Submitter	1 - 1	Transaction specific. Person that is submitting the transaction
---udps:UDPSAgency	1 - 1	DPS assigned agency identifier of person that is submitting the transaction.
----j:ID	1 - 1	Identifier.
---udps:UDPSAuthentication	1 - 1	Parent element for logon ID and password.
----udps:UDPSLogon	1 - 1	DPS assigned logon ID. Contains two attributes: "encrypted" - mandatory, value is "true", indicates that the element value of the logon ID is encrypted. "source" - mandatory, names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm.
@encrypted	1 - 1	Indicates that the element value of the logon ID is encrypted. Value: "true"

@source	1 - 1	Names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm
----udps:UDPSPassword	1 - 1	Password for this user. Contains two attributes: "encrypted" - mandatory, value is "true", indicates that the element value of the password is encrypted. "source" - mandatory, names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm.
@encrypted	1 - 1	Indicates that the element value of the password is encrypted. Value: "true"
@source	1 - 1	Names the seed element(s) to be used to encrypt the data using the DPS encryption algorithm
--udps:InitiatingAgency	1 - 1	Transaction specific. The agency that is initiating the transaction.
---j:Agency	1 - 1	Parent element for submitting agency information.
---j:OrganizationORIID	1 - 1	ORI of sending agency.
-----j:ID	1 - 1	Identifier.
--udps:Destinations	1 - 1	Parent element for the intended destination(s) of the transaction.
---udps:Destination	1 - 1	Transaction specific. Parent element for an intended destination of the transaction.
---j:Agency	1 - 1	Parent element for destination agency information.
-----j:OrganizationID	1 - 1	An identifier of the submitting agency. For example, this could contain a State code.
-----j:ID	1 - 1	Identifier. For this transaction: UT
-udps:TransactionParameters	1 - 1	Parent element containing the XML specific for each transaction.
--udps:ResponseDate	1 - 1	Date of response - CCYY-MM-DD
--udps:ResponseTime	1 - 1	Time of response - HH:MM:SS
--udps:ResponseStatus	1 - 1	Details about the response status. Parent element for status code and description.
---udps:ResponseStatusCode	1 - 1	A response code roughly based on HTTP 1.1 Status Codes. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.

---udps:ResponseStatusDescription	1 - 1	A response description roughly based on HTTP 1.1 Status CodesDescriptions. A normal success response will contain a 200 ResponseStatusCode and "OK" ResponseStatusDescription.
--udps:JusticeXML	Condition al 1 - 1	Details containing response XML. Required (and only available) on all responses. If an error or "Not Found" condition, the element will be empty. For the CPW transaction, because no data response is required, the element will be empty (but must exist.) The response code will indicate if the transaction was successful or not.
---j:Person	1 - 1	Describes inherent and frequently associated characteristics of a person.
---- j:PersonName	1 - 1	A name by which a person is known.
----- j:PersonFullName	1 - 1	A complete name of a person.
----- j:PersonPhysicalDetails	1 - 1	A set of details about the physical appearance of a person.

-----udps:PersonRaceCode	0 - 1	A code identifying the race of a person. DL/US Census race codes: 01 = SPANISH 02 = HISPANIC 03 = LATINO 04 = MEXICAN 05 = MEXICAN AMERICAN 06 = CHICANO 07 = PUERTO RICAN 08 = CUBAN 09 = WHITE 10 = BLACK 11 = AFRICAN AMERICAN 12 = NEGRO 13 = AMERICAN INDIAN 14 = ALASKA NATIVE 15 = ASIAN INDIAN 16 = CHINESE 17 = FILIPINO 18 = JAPANESE 19 = KOREAN 20 = VIETNAMESE 21 = NATIVE HAWAIIAN 22 = GUAMANIAN 23 = CHAMORRO 24 = SAMOAN 25 = PACIFIC ISLANDER 26 = ASIAN
-----j:PersonSexCode	0 - 1	A code identifying the gender or sex of a person.
-----j:PrimaryContactInformation	0 - 1	Information on a preferred or primary contact mechanism.
-----j>ContactTelephoneNumber	0 - 1	A telephone number of a person or organization.
-----j:TelephoneAreaCodeID	0 - 1	A dialing code for a state or province for phone numbers in the USA, Canada, Mexico, and the Caribbean.
-----j:TelephoneExchangeID	1 - 1	The first three digits of a base telephone number. Usually represents a central telephone switch.
-----j:TelephoneSubscriberID	1 - 1	The last four digits of a base telephone number. Identifies the individual circuit within an exchange.
-----j:ContactEmailID	0 - 1	An email address of a person or organization.
-----j:ID	1 - 1	Identifier

---j:Agency	1 - 1	An division of a governmental or international body.
----udps:UDPSAgency	1 - 1	UCJIS assigned agency identifier.
-----j:ID	1 - 1	Identifier
----j:OrganizationName	1 - 1	A name of an organization.
----j:OrganizationORIID	1 - 1	ORI of agency person belongs to.
-----j:ID	1 - 1	Identifier
----j:OrganizationTypeText	0 - 1	A general functional type of an organization
----j:OrganizationLocation	0 - 1	A location of an organization.
-----j:LocationAddress	0 - 1	Details about a postal address for a location.
-----j:LocationStreet	0 - 1	Details about a street.
-----j:StreetFullText	1 - 1	A complete street reference, e.g., "123 Main Street NW".
-----j:LocationSecondaryUnitText	0 - 1	A piece of information used to identify a particular unit within a specific location. Examples of this could be an apartment number or a suite number.
-----j:LocationCityName	0 - 1	A name of a city or town.
-----j:LocationStateCode.ncicRES	0 - 1	A code identifying a state.
-----j:LocationPostalCodeID	0 - 1	A zip code or postal code.
-----j:ID	1 - 1	Identifier
-----j:LocationPostalCodeExtensionID	0 - 1	An extension of a zip code or postal code.
-----j:ID	1 - 1	Identifier
---udps:Credentials	1 - 1	Details of the permissions a user has on the UCJIS system.
----udps:LogViewLevel	1 - 1	Details on the level of access a person has to view the message log: USER (can only view transactions submitted by this person); AGENCY (can view all transactions submitted by this agency. Normally reserved for terminal agency coordinators (TACs); ALL (can view all transactions submitted. Reserved for BCI use.)
----udps:PasswordExpirationDate	1 - 1	Date password expires.
----udps:FailedLoginAttempts	1 - 1	Count of failed login attempts since the last successful login. Upon successful login this value will be set to zero.

----udps:PinExpirationDate	0 - 1	Date PIN expires. PIN is used when access UCJIS via the DPS UCJIS web application.
----udps:PersonIndex	1 - 1	Unique identifier for this person.
----udps:AuthenticationSystem	1 - 1	Which authentication system this transaction used to authenticate. For UCJIS access this value will be "UCJIS".
----udps:ULEINLogon	0 - 1	Logon ID for the ULEIN system, if one exists.
---udps:UDPSApplications	1 - 1	Details about the UCJIS transactions this person is authorized to access.
----udps:UDPSApplication	1 - 8	Details about this UCJIS transaction this person is authorized to access.
----udps:ApplicationID	1 - 1	Specifies the type of application information being returned.
----udps:TransactionGroup	0 - 8	Specifies if this transaction is person related, vehicle related or other (guns, articles, etc.)
@code	1 - 1	Code to indicate if this transaction is person related, vehicle related or other (guns, articles, etc.)
@text	1 - 1	Text to indicate if this transaction is person related, vehicle related or other (guns, articles, etc.)
----- udps:TransactionType	0 - 8	Specifies what type of transaction (what type of action is performed: 1 - Entry (a transaction that modifies a database), 3 - Inquiry, 9 - Other (UCJIS internal transactions)
@code	1 - 1	Code that specifies what type of transaction (what type of action is performed: 1, 3, 9)
@text	1 - 1	Text that specifies what type of transaction (Example: Entry, Inquiry, Other)
----- udps:TransactionDestination	0 - 8	Specifies which system should service the database functions for this transaction. Options are: "L" - local, "1" - NCIC, "2" - III, "6" - NICS, "M" - NLETS.
@code	1 - 1	Code that specifies which system should service the database functions for this transaction. Options are: L, 1, 2, 6, M

@text	1 - 1	Text that specifies which system should service the database functions for this transaction. Options are: Local, NCIC, III, NICS, NLETS.
----- udps:Transaction	0 - 8	Transaction identifier
@code	1 - 1	Transaction identifier code
@text	1 - 1	Transaction identifier text

## A.1 Log In (XID) Transaction

---

List of empty transaction elements:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:udps=
http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
    <udps:DocumentDescriptor type="XID" class="UCJIS" authenticator="UCJIS" routingCode="L"/>
    <udps:Header>
        <udps:Version>3.0</udps:Version>
        <udps:System>
            <j:ID/>
        </udps:System>
        <udps:TransactionID>
            <j:ID/>
        </udps:TransactionID>
        <udps:Submitter>
            <udps:UDPSAgency>
                <j:ID/>
            </udps:UDPSAgency>
            <udps:UDPSAuthentication>
                <udps:UDPSLogon encrypted="true" source="" />
                <udps:UDPSPassword encrypted="true" source="" />
            </udps:UDPSAuthentication>
        </udps:Submitter>
        <udps:InitiatingAgency>
            <j:Agency>
                <j:OrganizationORIID>
                    <j:ID/>
                </j:OrganizationORIID>
            </j:Agency>
        </udps:InitiatingAgency>
        <udps:Destinations>
            <Destination>
                <j:Agency>
                    <j:OrganizationID>
                        <j:ID/>
                    </j:OrganizationID>
                </j:Agency>
            </Destination>
        </udps:Destinations>
    </udps:Header>
    <udps:TransactionParameters/>
</udps:UDPSXML>
```

## A.1.1 XID Transaction – With Sample Data

---

With sample data:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
  xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="XID" class="UCJIS" authenticator="UCJIS" routingCode="L"/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>168.180.123.100</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>123459</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>DPSMIS</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true"
source="TransactionParameters">sadf834asdf</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true"
source="TransactionParameters">j3420sdf13</udps:UDPSPassword>
      </udps:UDPSAuthentication>
    </udps:Submitter>
    <udps:InitiatingAgency>
      <j:Agency>
        <j:OrganizationORIID>
          <j:ID>UTTESTORI</j:ID>
        </j:OrganizationORIID>
      </j:Agency>
    </udps:InitiatingAgency>
    <udps:Destinations>
      <udps:Destination>
        <j:Agency>
          <j:OrganizationID>
            <j:ID>UT</j:ID>
          </j:OrganizationID>
        </j:Agency>
      </udps:Destination>
    </udps:Destinations>
  </udps:Header>
  <udps:TransactionParameters/>
</udps:UDPSXML>
```

## A.1.2 XID Response – All Elements

---

Responses will contain the initial transaction with the response appended on to it.

Sample response message. Note that DocumentDescriptor attribute “type” has been changed to reflect it is a response:

```
<UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
  xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="XIDResponse" class="UCJIS" authenticator="UCJIS" routingCode="L"/>
  <udps:TransactionParameters/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID/>
    </udps:System>
    <udps:TransactionID>
      <j:ID/>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID/>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true" source="" />
        <udps:UDPSPassword encrypted="true" source="" />
      </udps:UDPSAuthentication>
    </udps:Submitter>
    <udps:InitiatingAgency>
      <j:Agency>
        <j:OrganizationORIID>
          <j:ID/>
        </j:OrganizationORIID>
      </j:Agency>
    </udps:InitiatingAgency>
    <udps:Destinations>
      <udps:Destination>
        <j:Agency>
          <j:OrganizationID>
            <j:ID/>
          </j:OrganizationID>
        </j:Agency>
      </udps:Destination>
    </udps:Destinations>
  </udps:Header>
  <udps:Response>
    <udps:ResponseDate/>
    <udps:ResponseTime/>
    <udps:ResponseStatus>
      <udps:ResponseStatusCode/>
```

```

<udps:ResponseStatusDescription/>
</udps:ResponseStatus>
<udps:JusticeXML>
  <j:Person>
    <j:PersonName>
      <j:PersonFullName/>
    </j:PersonName>
    <j:PersonPhysicalDetails>
      <udps:PersonRaceCode/>
      <j:PersonSexCode/>
    </j:PersonPhysicalDetails>
    <udps:DefaultORI>
      <j:ID/>
    </udps:DefaultORI>
    <j:PrimaryContactInformation>
      <j:ContactTelephoneNumber>
        <j:TelephoneAreaCodeID/>
        <j:TelephoneExchangeID/>
        <j:TelephoneSubscriberID/>
      </j:ContactTelephoneNumber>
      <j:ContactEmailID>
        <j:ID/>
      </j:ContactEmailID>
    </j:PrimaryContactInformation>
  </j:Person>
  <j:Agency>
    <udps:UDPSAgency>
      <j:ID/>
    </udps:UDPSAgency>
    <j:OrganizationName/>
    <j:OrganizationTypeText/>
    <j:OrganizationLocation>
      <j:LocationAddress>
        <j:LocationCityName/>
      </j:LocationAddress>
    </j:OrganizationLocation>
  </j:Agency>
  <udps:UDPSCredentials>
    <udps:PasswordExpirationDate/>
    <udps:PersonIndex/>
    <udps:LogViewLevel/>
    <udps:UserType/>
    <udps:FailedLoginAttempts/>
    <udps:AuthenticationSystem/>
    <udps:PinExpirationDate/>
    <udps:ULEINLogon/>
  </udps:UDPSCredentials>
  <udps:UDPSApplications>
    <udps:UDPSApplication>
      <udps:ApplicationID>
        <j:ID>UCJIS</j:ID>
      </udps:ApplicationID>
      <udps:TransactionGroup code="" text="">
        <udps:TransactionType code="" text="">
          <udps:TransactionDestination code="" text="">

```

```
        <udps:Transaction code="" text="" shortText="" />
        </udps:TransactionDestination>
    </udps:TransactionType>
    </udps:TransactionGroup>
    </udps:UDPSApplication>
</udps:UDPSApplications>
</udps:JusticeXML>
</udps:Response>
</UDPSXML>
```

## A.1.3 XID Response – With Data

---

Sample response message with data:

```
<UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
  xmlns:udps="http://webservices.ucjis.utah.gov/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="XIDResponse" class="UCJIS" authenticator="UCJIS" routingCode="L"/>
  <udps:TransactionParameters/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>192.168.1.2</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>123456</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>TEST AGENCY</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true" source=" ">R2jQu</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true" source=" ">fL42J</udps:UDPSPassword>
      </udps:UDPSAuthentication>
    </udps:Submitter>
    <udps:InitiatingAgency>
      <j:Agency>
        <j:OrganizationORIID>
          <j:ID>UTTESTORI</j:ID>
        </j:OrganizationORIID>
      </j:Agency>
    </udps:InitiatingAgency>
    <udps:Destinations>
      <udps:Destination>
        <j:Agency>
          <j:OrganizationID>
            <j:ID>UT</j:ID>
          </j:OrganizationID>
        </j:Agency>
      </udps:Destination>
    </udps:Destinations>
  </udps:Header>
  <udps:Response>
    <udps:ResponseDate>2005-06-13</udps:ResponseDate>
    <udps:ResponseTime>10:09:14</udps:ResponseTime>
    <udps:ResponseStatus>
      <udps:ResponseStatusCode>200</udps:ResponseStatusCode>
      <udps:ResponseStatusDescription>OK</udps:ResponseStatusDescription>
    </udps:ResponseStatus>
  </udps:Response>
  <udps:JusticeXML>
```

```

<j:Person>
  <j:PersonName>
    <j:PersonFullName>TEST USER</j:PersonFullName>
  </j:PersonName>
  <j:PersonPhysicalDetails>
    <udps:PersonRaceCode>09</udps:PersonRaceCode>
    <j:PersonSexCode>M</j:PersonSexCode>
  </j:PersonPhysicalDetails>
  <udps:DefaultORI>
    <j:ID>UTTESTORI</j:ID>
  </udps:DefaultORI>
  <j:PrimaryContactInformation>
    <j:ContactTelephoneNumber>
      <j:TelephoneAreaCodeID>801</j:TelephoneAreaCodeID>
      <j:TelephoneExchangeID>555</j:TelephoneExchangeID>
      <j:TelephoneSubscriberID>4444</j:TelephoneSubscriberID>
    </j:ContactTelephoneNumber>
    <j:ContactEmailID>
      <j:ID>testuser@utah.gov</j:ID>
    </j:ContactEmailID>
  </j:PrimaryContactInformation>
</j:Person>
<j:Agency>
  <udps:UDPSAgency>
    <j:ID>TEST AGENCY</j:ID>
  </udps:UDPSAgency>
  <j:OrganizationName/>
  <j:OrganizationTypeText/>
  <j:OrganizationLocation>
    <j:LocationAddress>
      <j:LocationCityName/>
    </j:LocationAddress>
  </j:OrganizationLocation>
</j:Agency>
<udps:UDPSCredentials>
  <udps:PasswordExpirationDate>2005-06-02</udps:PasswordExpirationDate>
  <udps:PersonIndex>123456</udps:PersonIndex>
  <udps:LogViewLevel>ALL</udps:LogViewLevel>
  <udps:UserType>TAC</udps:UserType>
  <udps:FailedLoginAttempts>0</udps:FailedLoginAttempts>
  <udps:AuthenticationSystem>UCJIS</udps:AuthenticationSystem>
  <udps:PinExpirationDate>2005-12-31</udps:PinExpirationDate>
  <udps:ULEINLogon/>
</udps:UDPSCredentials>
<udps:UDPSApplications>
  <udps:UDPSApplication>
    <udps:ApplicationID>
      <j:ID>UCJIS</j:ID>
    </udps:ApplicationID>
    <udps:TransactionGroup code="O" text="OTHER">
      <udps:TransactionType code="1" text="ENTRY">
        <udps:TransactionDestination code="1" text="NCIC">
          <udps:Transaction code="CA" text="Clear Article" shortText="" />
          <udps:Transaction code="CG" text="Clear Gun" shortText="" />
          <udps:Transaction code="CRBD" text="Clear NCIC Benefits Data" shortText="" />

```

```

        <udps:Transaction code="CS" text="Clear Securities" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="L" text="UTAH">
        <udps:Transaction code="ALTE" text="Alert Entry" shortText="" />
        <udps:Transaction code="ALTM" text="Alert Modify" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="M" text="NLETS">
        <udps:Transaction code="AA" text="NLETS Amber Alert" shortText="" />
        <udps:Transaction code="AM" text="NLETS Admin Message" shortText="" />
        <udps:Transaction code="AM3" text="NLETS Admin Msg Warr Abs" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="W" text="">
        <udps:Transaction code="CS" text="Clear Securities" shortText="" />
        <udps:Transaction code="EIM" text="Enter Image" shortText="" />
        <udps:Transaction code="ES" text="Enter Securities" shortText="" />
    </udps:TransactionDestination>
</udps:TransactionType>
<udps:TransactionType code="3" text="INQUIRY">
    <udps:TransactionDestination code="1" text="NCIC">
        <udps:Transaction code="FT" text="File Transfer" shortText="" />
        <udps:Transaction code="NIC" text="NIC Inquiry" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="6" text="NICS">
        <udps:Transaction code="QN" text="NICS Gun Check" shortText="" />
        <udps:Transaction code="QNP" text="NICS Gun with Prot Orders" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="L" text="UTAH">
        <udps:Transaction code="ACNT" text="Agency Trans Counts" shortText="" />
        <udps:Transaction code="BMSG" text="View Broadcast Messages" shortText="" />
        <udps:Transaction code="CLI" text="Crime Lab Inquiry" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="M" text="NLETS">
        <udps:Transaction code="CAQ" text="Canadian Article Inquiry" shortText="" />
        <udps:Transaction code="CGQ" text="Canadian Gun Inquiry" shortText="" />
        <udps:Transaction code="CSQ" text="Canadian Securities Inquiry" shortText="" />
        <udps:Transaction code="FQC" text="Intl Fuel Tax Query" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="W" text="">
        <udps:Transaction code="FT" text="File Transfer" shortText="" />
        <udps:Transaction code="Q0" text="Translate ORI #" shortText="" />
        <udps:Transaction code="RPDQ" text="Error Trend Report" shortText="" />
    </udps:TransactionDestination>
    <udps:TransactionDestination code="Z" text="">
        <udps:Transaction code="CAQ" text="Canadian Article Inquiry" shortText="" />
        <udps:Transaction code="CGQ" text="Canadian Gun Inquiry" shortText="" />
        <udps:Transaction code="CSQ" text="Canadian Securities Inquiry" shortText="" />
    </udps:TransactionDestination>
</udps:TransactionType>
</udps:TransactionGroup>
<udps:TransactionGroup code="P" text="PERSON">
    <udps:TransactionType code="1" text="ENTRY">
        <udps:TransactionDestination code="1" text="NCIC">
            <udps:Transaction code="CM" text="Clear Missing" shortText="" />
            <udps:Transaction code="CW" text="Clear Wanted" shortText="" />
        </udps:TransactionDestination>
    </udps:TransactionType>
</udps:TransactionGroup>

```

```

        <udps:Transaction code="CXS" text="Clear Convicted Sex Offender"
shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="2" text="III">
    <udps:Transaction code="MRS" text="Add/Modify a SID" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="6" text="NICS">
    <udps:Transaction code="EDP" text="Enter Denied Person" shortText=""/>
    <udps:Transaction code="MDP" text="NICS Modify Denied Person" shortText=""/>
    <udps:Transaction code="SDP" text="NICS Enter Deny Supplement"
shortText=""/>
</udps:TransactionDestination>
        <udps:Transaction code="XDP" text="NICS Cancel Denied Person" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="L" text="UTAH">
    <udps:Transaction code="ENCO" text="Enter No Contact Order" shortText=""/>
    <udps:Transaction code="ESWW" text="Enter State Wide Warrants" shortText=""/>
    <udps:Transaction code="MSWW" text="Modify Statewide Warrants" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="M" text="NLETS">
    <udps:Transaction code="DEX" text="NDPIX Entry" shortText=""/>
    <udps:Transaction code="DRX" text="NDPIX Renew" shortText=""/>
    <udps:Transaction code="DUX" text="NDPIX Update" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="2" text="III">
    <udps:Transaction code="QH" text="III Criminal History" shortText=""/>
    <udps:Transaction code="QR" text="III Record Request" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="6" text="NICS">
    <udps:Transaction code="QDP" text="Denied Person Inquiry" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="L" text="UTAH">
    <udps:Transaction code="ABC" text="Applicant Background Check" shortText=""/>
    <udps:Transaction code="CODI" text="CODIS Inquiry" shortText=""/>
    <udps:Transaction code="CRT" text="Court Case Inquiry" shortText=""/>
    <udps:Transaction code="DLP" text="Drivers License Photo" shortText="Photo"/>
    <udps:Transaction code="DQ" text="Utah Drivers License" shortText="DL (old)"/>
</udps:TransactionDestination>
<udps:TransactionDestination code="M" text="NLETS">
    <udps:Transaction code="AQ" text="NLETS Crim Hist Free Text" shortText=""/>
    <udps:Transaction code="AR" text="NLETS Crim Hist Response" shortText=""/>
    <udps:Transaction code="CFQ" text="Canadian Crim Hist By FPS" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="W" text="">
    <udps:Transaction code="QW" text="Query Wanted Person - New"
shortText="Wanted Person"/>
        <udps:Transaction code="QXS" text="Query Sex Offender" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="X" text="">
    <udps:Transaction code="QR" text="III Query Record - New" shortText=""/>
    <udps:Transaction code="TI$" text="Test III Transactions" shortText=""/>
</udps:TransactionDestination>
<udps:TransactionDestination code="Y" text="">
    <udps:Transaction code="QDP" text="Query NICS Denied Person" shortText=""/>
    <udps:Transaction code="QNP" text="Query NICS" shortText=""/>
</udps:TransactionDestination>

```

```

<udps:TransactionDestination code="Z" text="">
    <udps:Transaction code="AQ" text="NLETS Crim Hist Free Text" shortText="" />
    <udps:Transaction code="AR" text="NLETS Crim Hist Response" shortText="" />
    <udps:Transaction code="DQ" text="NLETS Driver License" shortText="DL" />
</udps:TransactionDestination>
</udps:TransactionType>
</udps:TransactionGroup>
<udps:TransactionGroup code="V" text="VEHICLE">
    <udps:TransactionType code="1" text="ENTRY">
        <udps:TransactionDestination code="1" text="NCIC">
            <udps:Transaction code="CB" text="Clear Boat" shortText="" />
            <udps:Transaction code="CL" text="Clear License Plate" shortText="" />
            <udps:Transaction code="CP" text="Clear Vehicle/Boat Part" shortText="" />
</udps:TransactionDestination>
<udps:TransactionDestination code="M" text="NLETS">
            <udps:Transaction code="NCI" text="Cancel NCIB Impound" shortText="" />
            <udps:Transaction code="NEI" text="Add NCIB Impound Record" shortText="" />
            <udps:Transaction code="NUI" text="Modify NCIB Impound Record" shortText="" />
</udps:TransactionDestination>
<udps:TransactionDestination code="W" text="">
            <udps:Transaction code="CL" text="Clear License Plate" shortText="" />
            <udps:Transaction code="CP" text="Clear Vehicle/Boat Part" shortText="" />
            <udps:Transaction code="EB" text="Enter Boat" shortText="" />
</udps:TransactionDestination>
<udps:TransactionDestination code="Z" text="">
            <udps:Transaction code="NCI" text="Cancel NCIB Impound" shortText="" />
            <udps:Transaction code="NEI" text="Add NCIB Impound Record" shortText="" />
            <udps:Transaction code="NUI" text="Modify NCIB Impound Rec." shortText="" />
</udps:TransactionDestination>
</udps:TransactionType>
<udps:TransactionType code="3" text="INQUIRY">
    <udps:TransactionDestination code="1" text="NCIC">
        <udps:Transaction code="QB" text="Query Boat" shortText="" />
        <udps:Transaction code="QV" text="Query Vehicle" shortText="Stolen Vehicle" />
</udps:TransactionDestination>
    <udps:TransactionDestination code="L" text="UTAH">
        <udps:Transaction code="BNQ" text="Watercraft Name List Decal" shortText="" />
        <udps:Transaction code="BNQH" text="Watercraft Name List" shortText="" />
        <udps:Transaction code="BQ" text="Utah Watercraft Registration" shortText="" />
</udps:TransactionDestination>
    <udps:TransactionDestination code="W" text="">
        <udps:Transaction code="QV" text="Query Vehicle - New" shortText="Stolen
Vehicle" />
</udps:TransactionDestination>
<udps:TransactionDestination code="Z" text="">
        <udps:Transaction code="BQ" text="NLETS Boat Registration" shortText="" />
        <udps:Transaction code="CBQ" text="Canadian Boat Inquiry" shortText="" />
        <udps:Transaction code="NQ" text="NICB Insurance Inquiry" shortText="" />
        <udps:Transaction code="RNQ" text="NLETS MV by Name" shortText="MV
Names" />
        <udps:TransactionDestination>
</udps:TransactionType>
</udps:TransactionGroup>
</udps:UDPSApplication>
</udps:UDPSApplications>

```

```
</udps:JusticeXML>
</udps:Response>
</UDPSXML>
```

## A.1.4 XID Response – With Error

---

Sample response message with containing an error condition:

```
<?xml version="1.0" encoding="UTF-8"?>
<udps:UDPSXML xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
  xmlns:udps="http://webservices.ps.state.ut.us/udpsxml/release/1.0">
  <udps:DocumentDescriptor type="XIDResponse" class="UCJIS" authenticator="UCJIS" routingCode="L"/>
  <udps:Header>
    <udps:Version>3.0</udps:Version>
    <udps:System>
      <j:ID>TEST1svr</j:ID>
    </udps:System>
    <udps:TransactionID>
      <j:ID>123459</j:ID>
    </udps:TransactionID>
    <udps:Submitter>
      <udps:UDPSAgency>
        <j:ID>DPSMIS</j:ID>
      </udps:UDPSAgency>
      <udps:UDPSAuthentication>
        <udps:UDPSLogon encrypted="true"
source="TransactionParameters">asdfj34asdf0</udps:UDPSLogon>
        <udps:UDPSPassword encrypted="true"
source="TransactionParameters">kj3249k;jdsf</udps:UDPSPassword>
      </udps:UDPSAuthentication>
    </udps:Submitter>
    <udps:InitiatingAgency>
      <j:Agency>
        <j:OrganizationORIID>
          <j:ID>UTTESTORI</j:ID>
        </j:OrganizationORIID>
      </j:Agency>
    </udps:InitiatingAgency>
    <udps:Destination>
      <j:Agency>
        <j:OrganizationID>
          <j:ID>UT</j:ID>
        </j:OrganizationID>
      </j:Agency>
    </udps:Destination>
  </udps:Header>
  <udps:TransactionParameters/>
  <udps:Response>
    <udps:ResponseDate>2003-09-23</udps:ResponseDate>
    <udps:ResponseTime>16:35</udps:ResponseTime>
    <udps:ResponseStatus>
      <udps:ResponseStatusCode>500</udps:ResponseStatusCode>
      <udps:ResponseStatusDescription>
        Error: logindisabled field does not permit a change of password
      </udps:ResponseStatusDescription>
    </udps:ResponseStatus>
  </udps:Response>
</udps:UDPSXML>
```

```
</udps:ResponseStatus>
<udps:JusticeXML/>
</udps:Response>
</udps:UDPSXML>
```

# **Glossary of Terms**

---

The acronyms or concepts that could be used within this document are the following:

<b>Acronym</b>	<b>Description</b>
API	Acronym for "Application Program Interface"
Application	Collection of integrated software units, which accomplish a major function. An application could have more than one software unit.
BCI	Acronym for "Bureau of Criminal Identification"
CAD	Computer Aided Dispatch
CS	Cold Standby. Weakest form of High Availability: replicas are entirely initialized subsequent to failures.
DHCP	Acronym for "Dynamic Host Configuration Protocol". A technology for dynamically assigning and maintaining leases on IP addresses to hosts on a subnet.
DMZ	De-Militarized Zone. A segment of a LAN that is granted access to external hosts, typically considered quite insecure. A DMZ is typically segregated from "protected" hosts via firewall.
DOM	Acronym for "Document Object Model" a tree-based parsing specification for XML
DPS	Acronym for "Department Of Public Safety"
Firewall	A device for segregating host resources on a LAN between trusted and un-trusted access.
HA	High Availability. Automatic masking of unplanned outages: Can be Cold, Warm or Hot Standby.
HTML	Acronym for "Hyper-Text Markup Language"
HTTP	Acronym for "Hyper-Text Transfer Protocol"
IM	Acronym for "Instant Messaging"

IP Address	A dotted quad numerical designation for a host, i.e., computer, within a TCP/IP network, e.g., 192.168.1.1
JAX	Acronym for "Java API for XML"
SAX	Acronym for "Simple API for XML" an event-driven parsing specification for XML
JAXB	Acronym for "Java API for XML Binding"
JAXM	Acronym for "Java API for XML Messaging"
JAXP	Acronym for "Java API for XML Processing"
JAX-RPC	Acronym for "Java API for XML Remote Procedure Calls"
LAN	Acronym for "Local Area Network"
Load Balancing	The process by which requests / users requests are sent to the server / printer with the least load and away from servers too busy to handle additional requests.
MM	Manual Masking. A "pseudo" (and weak) form of HA, which has replication built into the system, but requires manual detection and recovery action, and so does not satisfy the HA condition of automatic masking.
MOM	Acronym for "Message-Oriented Middleware"
NAT	Acronym for "Network Address Translation". A technology that supports routing of IP addresses across disparate subnets in support of indirect paths and often DHCP.
NCIC	FBI's National Crime Information Center
NIC	Acronym for "Network Interface Card"
NLETS	National Law Enforcement Telecommunications System
ORI	Acronym for "Originating Agency Identifier". This identifier is assigned by the FBI to criminal justice agencies.
PDC	Acronym for "Primary Data Center"
RDBMS	Acronym for "Relational Database Management System"
RMS	Acronym for "Record Management System:
Servlet	A persistent process designed to respond to HTTP requests

	on the back-end of a Servlet-Enabled HTTP server. Servlets run within a Servlet Container such as Apache.org's Tomcat.
SOAP	<p>Formerly an acronym for "Simple Object Access Protocol"</p> <p>SOAP version 1.2 provides the definition of an XML document which can be used for exchanging structured and typed information between peers in a decentralized, distributed environment. It is fundamentally a stateless, one-way message exchange paradigm, but applications can create more complex interaction patterns (e.g., request/response, request/multiple responses, etc.) by combining such one-way exchanges with features provided by an underlying transport protocol and/or application-specific information. SOAP is silent on the semantics of any application-specific data it conveys, as it is on issues such as the routing of SOAP messages, reliable data transfer, firewall traversal, etc. However, SOAP provides the framework by which application-specific information may be conveyed in an extensible manner. Also, SOAP provides a full description of the expected actions taken by a SOAP processor on receiving a SOAP message</p>
UCJIS	Acronym for "Utah Criminal Justice Information System"
UDC	Acronym for "Utah Department of Corrections"
WAN	Acronym for "Wide Area Network"
XML	Acronym for "Extensible Markup Language"
XSL	Acronym for "Extensible Stylesheet Language"
XSLT	Acronym for "Extensible Stylesheet Language Transformations"

## **Observations form**

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If you have any observation about this document, that is items which you think should be changed, included or deleted, please enter here your comments and return the page to the owner.

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